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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	09/684,742	GELVIN ET AL.
Office Action Summary	Examiner	Art Unit	
	Scott M. Sciacca	2446	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>13 November 2009</u>.
2a) ☐ This action is **FINAL**.   2b) ☒ This action is non-final.
3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1-48 and 50-56</u> is/are pending in the application.
    4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5) ☐ Claim(s) _____ is/are allowed.
6) ☒ Claim(s) <u>1-48 and 50-56</u> is/are rejected.
7) ☐ Claim(s) _____ is/are objected to.
8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.
10) ☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a)☐ All   b)☐ Some * c)☐ None of:
       1. ☐ Certified copies of the priority documents have been received.
       2. ☐ Certified copies of the priority documents have been received in Application No. _____.
       3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date <u>11/13/2009</u>.

4) ☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____

DETAILED ACTION

1.   This office action is responsive to communications filed on November 13,

2009. Claims 1-2, 9-10, 23, 35, 46, 48, 50, 51, 54, and 56 have been amended.

Claims 1, 46, 48, 50, 51, 54, and 56 are independent. Claims 1-48 and 50-56

are pending in the application.

Continued Examination Under 37 CFR 1.114

2.   A request for continued examination under 37 CFR 1.114, including the

fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection.

Since this application is eligible for continued examination under 37 CFR 1.114,

and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the

previous Office action has been withdrawn pursuant to 37 CFR 1.114.

Applicant's submission filed on November 13, 2009 has been entered.

Double Patenting

3.   The nonstatutory double patenting rejection is based on a judicially

created doctrine grounded in public policy (a policy reflected in the statute) so as

to prevent the unjustified or improper timewise extension of the "right to exclude"

granted by a patent and to prevent possible harassment by multiple assignees.

A nonstatutory obviousness-type double patenting rejection is appropriate where

the conflicting claims are not identical, but at least one examined application

claim is not patentably distinct from the reference claim(s) because the examined

application claim is either anticipated by, or would have been obvious over, the

reference claim(s). See, e.g., *In re Berg*, 140 F.3d 1428, 46 USPQ2d 1226 (Fed.

Cir. 1998); *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In*

re Longi, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686

F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ

619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA

1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) or

1.321(d) may be used to overcome an actual or provisional rejection based on a

nonstatutory double patenting ground provided the conflicting application or

patent either is shown to be commonly owned with this application, or claims an

invention made as a result of activities undertaken within the scope of a joint

research agreement.

Effective January 1, 1994, a registered attorney or agent of record may

sign a terminal disclaimer. A terminal disclaimer signed by the assignee must

fully comply with 37 CFR 3.73(b).

Claims 1-4, 9-14, 16, 18, 20-24, 27-38, 40, 41, 43, and 45-48 and 50-55 of

Application no. 09/684,387 contains every element of claims 1-48 and 50-56 of

the instant application and as such anticipates claims 1-48 and 50-56 of the

instant application.

Claims 1-32, 34-48, 50-63, 65-81, 83-85, 91, 92, 94, 95, 97, 99-101, 103,

106, and 108-119 of Application no. 09/684,706 contains every element of claims

1-48 and 50-56 of the instant application and as such anticipates claims 1-48 and

50-56 of the instant application.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action

can be found in a prior Office action.

Claims 1-6, 8, 14-24, 30, 34, 39-45, 48 and 52-56 are rejected under 35

U.S.C. 103(a) as being unpatentable over Clare et al. (USPN 6,414,955)

(hereinafter Clare) in view of Wesson et al. (Network Structures for

Distributed Situation Assessment; IEEE; copyright 1981) (hereinafter

Wesson) and Priest (USPN 6,038,436) (hereinafter, Priest).

4.   Referring to claim 1, Clare discloses a method for providing a sensor

network comprising a plurality of nodes, including a sensor node comprising a

sensor (e.g. abstract), comprising:

organizing the plurality of nodes into a plurality of clusters (i.e. set of

neighboring nodes) by:

determining a cluster for a start node (i.e. if no invite request is received,

node becomes the inviting node (Fig. 12a, refs. 224, 226);

transmitting an assembly packet (i.e. new node invitation packet and

communication schedule packets) from the start node to each node neighboring

the start node, wherein the assembly packet includes a cluster indication (i.e.

communication schedule) (Figs 12a-c, ref. 274; col. 14, line 56 to col. 15, line 24);

in response to reception of the assembly packet at a node, determining a cluster for the node based on the cluster indication, modifying the packet cluster indication in the assembly packet, and transmitting the assembly packet with the modified cluster indication to each node neighboring the node (i.e. communication schedule is distributed to all packets in the network, indicating the presence of the new node) (col. 15, lines 25-43).

collecting data from the at least one environment (col. 6, lines 19-21);

distributing storage and processing of the collected data among the plurality of network elements in response to the node information (col. 18, lines 35-64).

Clare does not explicitly teach that if the at least one node has received a previous assembly packet, the at least one node ignores the assembly packet. Clare teaches the at least one node determining a cluster based on the cluster indication in the assembly packet (see above), but Clare does not disclose that the step is performed only if the at least one node has not already received a previous assembly packet.

However, Priest teaches processing an initial message received at a radio device. When subsequent messages are received, they are compared to the initial message. If the subsequent message matches the initial message, it is ignored. (Priest: see col. 2, lines 32-50). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Clare so that

if a node has received a previous assembly packet, it ignores any further

assembly packets. Thus, when a new node receives its first invite message it will

carry out the process of joining the cluster. Once a node has joined the cluster it

would ignore any further invite messages.

Clare's invention involves organizing a plurality of low power wireless

nodes into a cluster as efficiently as possible (Clare: see col. 3, lines 50-55).

One of ordinary skill in the art would have been motivated to make the

modification since Priest teaches that ignoring redundant messages can improve

battery life (Priest: see col. 2, lines 48-50) which would further improve the

efficiency of Clare's invention.

Clare does not specifically disclose distributing storage and processing of

the collected data among the plurality of clusters. In analogous art Wesson

discloses a distributed sensor network (Figures 1-4) which discloses aggregating,

distributing and processing the collected data among the plurality of clusters

(Figures 3-4; p. 8, col. 2 to p. 9, col. 1; p. 11: "communication restricted to flow

between adjacent layers"..."activities should be divided among multiple

cooperating knowledge sources"). It would have been obvious to one of ordinary

skill in the art to combine the teaching of Clare with Wesson in order to provide

an improved method for distributed situation assessment amongst the nodes of

Clare, thereby enabling the sensors to communicate data with one another.

5.   Referring to claim 2, Clare discloses the start node is a sensor node (i.e.

all the nodes can be sensor nodes) (e.g. abstract).

6.   Referring to claim 3, Clare-Wesson-Priest discloses automatically

organizing the plurality of network elements in response to the node information,

wherein the automatic organizing comprising automatically controlling data

transfer (i.e. routing data to user terminals), processing (i.e. using user profiles to

generate a warning based on sensor data), and storage among the plurality of

clusters (storing the data in data buffers (col. 16, lines 17-27; col. 18, lines 35-64;

Wesson: Figures 3-4; p. 8, col. 2 to p. 9, col. 1; p. 11).

7.   Referring to claim 4, Clare-Wesson-Priest discloses supporting a plurality

of levels of synchronization among different subsets of the plurality of network

elements (i.e. subordinates, commanders, high level layers, etc.) (Wesson: p. 8,

col. 2; Fig. 4).

8.   Referring to claim 5, Clare discloses controlling data processing using at

least one processing hierarchy (i.e. prioritization of messages), the at least one

processing hierarchy controlling communications among the plurality of network

elements (col. 15, lines 10-24).

9.   Referring to claim 6, Clare discloses comprising self-assembling the

plurality of network elements, wherein search and acquisition modes of the at

least one node of a second type search for participating ones of the plurality of

network elements, whether each of the participating ones of the plurality of

network elements are permitted to join the sensor network using a message

hierarchy, wherein the sensor network is surveyed at intervals for new nodes and

missing nodes and the new node is able to join into the sensor network based on

a challenge and response session (i.e. send invite, and respond to the invitation)

(Clare: col. 8, line 49 to col. 10, line 51).

10.   Referring to claim 8, Clare discloses the at least one function includes

data acquisition (i.e. turn sensors to highest alert activity) (col. 15, lines 10-15).

11.   Referring to claim 14, Clare discloses controlling data processing,

transmission, and storage among the plurality of network elements in response to

a decision probability of a detected event (i.e. power down for five minutes

transmitted to the node from the user) (col. 15, lines 13-15). Wesson further

discloses this at p. 17, col. 2, to p. 18, col. 2).

12.   Referring to claim 15, Clare discloses performing processing of the

collected data in response to parameters established by a user (col. 18, lines 50-

64).

13.   Referring to claim 16, Clare discloses the processing is performed in

response to at least one result of the energy detection (col. 18, lines 50-64).

Wesson further disclose this at p. 17, col. 2 to p. 18, col. 2.

14.   Referring to claims 17, 20-23, Clare-Wesson-Priest discloses aggregating

data processed in a plurality of nodes for further processing by other nodes (i.e.

hypothesizing about tasks based on received data can be reasonably construed

as aggregating data) (Wesson: p. 8, col. 2).

15.   Referring to claim 18, Clare discloses the processing comprises selecting

at least one data type for processing, selecting at least one processing type,

selecting at least one of the plurality of network elements to perform the selected

at least one processing type, and transferring the selected at least one data type

to the selected at least one of the plurality of network elements using at least one

route through the sensor network (col. 18, lines 35-64). Wesson further

discloses this at p. 14, col. 2, to p. 15, col. 1; p. 20, col. 1.

16.   Referring to claim 19, Clare discloses the selection of at least one

processing type comprises determining at least one probability (i.e. decision-

making) associated with a detected event (monitored environment settings) and

selecting at least one processing type in response to the at least one probability

(i.e. if the decision is true, do something different than if the decision is false)

(Figure 15; col. 18, lines 35-64).

17.   Referring to claim 24, Clare discloses the communication mode is wireless

communication (e.g. abstract).

18.   Referring to claim 34, Clare discloses establishing at least one redundant information pathway among the plurality of network elements (Figure 8).

19.   Referring to claim 39, Clare discloses at least one node of a first type and at lest one node of a second type include at least one sensor selected from a group consisting of seismic, acoustic, infrared, thermal, force, vibration, pressure, humidity, current, voltage, magnetic, biological, chemical, acceleration, and visible light sensors (col. 14, lines 12-34).

20.   Referring to claim 40, Clare discloses at least one of the plurality of network elements determines a position of at least one other of the plurality of network elements (col. 8, lines 15-25).

21.   Referring to claim 41, Clare discloses transferring software among the plurality of network elements, wherein the software transfer is remotely controllable (col. 15, lines 10-24).

22.   Referring to claim 42, Clare discloses the invention substantively as described in claim 1. Clare does not specifically state protecting communications among the elements using a public key security protocol. "Official Notice" is taken that both the concept and advantages of providing for public key encryption in wireless devices is well known and expected in the art. It would have been obvious to one of ordinary skill in the art to include public key encryption to the

system of Clare to provide a basic level of security, thereby reducing the

occurrences of eavesdropping by hackers and malcontents.

23.   Referring to claim 43, Clare discloses determining at least one position of

one of the network elements using location information from GPS device (col. 7,

line 58 to col. 8, line 6).

24.   Referring to claim 44, Clare discloses the plurality of node types comprise

sensor nodes (e.g. abstract; Figure 14).

25.   Referring to claim 45, Clare discloses supporting short range and long

rage communications among the plurality of network elements (Figure 1).

26.   Claims 30, 48 and 52-56 are rejected for similar reasons as stated above.

         Claims 25-29, 31, 32, 46, 47, 50 and 51 are rejected under 35 U.S.C.

103(a) as being unpatentable over Clare-Wesson-Priest as applied above in view

of Myer.

27.   Referring to claim 25, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare-Wesson-Priest does not specifically

disclose the network includes a gateway, a server, and at least one hybrid wired

and wireless network. Myer discloses another sensor network which includes at

least one gateway 12, at least one server 25, and at least one hybrid wireless

and wired network (Figure 1; col. 2, lines 52-67). It would be obvious to a person

of ordinary skill in the art at the time the invention was made to combine the

teaching of Myer with Clare to facilitate device configuration in a network as

supported by Myer (col. 1, lines 26-30).

28.   Referring to claim 26, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare-Wesson-Priest does not specifically

disclose the network is the Internet. Myer discloses the network is the Internet

22, (Figure 1). It would be obvious to a person of ordinary skill in the art at the

time the invention was made to combine the teaching of Myer with Clare to

facilitate device configuration in a network as supported by Myer (col. 1, lines 26-

30).

29.   Referring to claim 27, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare-Wesson-Priest does not disclose

providing remote accessibility using WWW-based tools to data, code,

management, and security functions. Myer discloses providing remote

accessibility using WWW-based tools to data, code, management, and security

functions (Figure 2). It would be obvious to a person of ordinary skill in the art at

the time the invention was made to combine the teaching of Myer with Clare to

facilitate device configuration in a network as supported by Myer (col. 1, lines 26-

30).

30.   Referring to claim 28, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare-Wesson-Priest does not disclose the

at least one gateway performs management of communications with at least one

remote user. Myer discloses the at least one gateway (control network portal 12)

performs management of communications with at least one remote user (col. 4,

lines 28-50). It would be obvious to a person of ordinary skill in the art at the time

the invention was made to combine the teaching of Myer with Clare to facilitate

device configuration in a network as supported by Myer (col. 1, lines 26-30).

31.   Referring to claim 29, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare-Wesson-Priest does not disclose

comprising at least one database separate from the plurality of network

elements. Myer discloses comprising at least one database separate from the

plurality of network elements (col. 3, lines 45-50). It would be obvious to a

person of ordinary skill in the art at the time the invention was made to combine

the teaching of Myer with Clare to facilitate device configuration in a network as

supported by Myer (col. 1, lines 26-30).

32.   Referring to claim 31, Clare-Wesson-Priest in view of Myer discloses the

invention substantively as described in claim 29. Clare further discloses data-

driven alerting methods that recognize conditions on user-defined data

relationships (i.e. user profiles) including coincidence in signal arrival, node

power status, and network communication status (col. 18, lines 35-64).

33.   Referring to claim 32, Clare-Wesson-Priest in view of Myer discloses the

invention substantively as described in claim 29. Although Clare-Wesson-Priest

does not specifically state implementing the database in a small footprint

database and in a SQL database systems at a level of at least one server, it is

well known that these features exist and would have been obvious to one of

ordinary skill in the art to incorporate a small footprint database to the invention

of Clare and Myer to provide the productivity and reliability that a SQL database

allows, while still keeping information search and retrieval times to a minimum.

34.   Claims 46, 47, 50 and 51 are rejected for similar reasons as stated above.

        Claims 7, 9-13, 33, 35, and 36 are rejected under 35 U.S.C. 103(a) as being

        unpatentable over Clare-Wesson-Priest as applied above in view of

        Humpleman et al. (USPN 6,546,419) (hereinafter Humpleman).

35.   Referring to claim 7, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare-Wesson-Priest does not disclose

managing the plurality of network elements as a distributed database using a

distributed resource management protocol, wherein the plurality of network

elements are reused among different applications, wherein the network elements

are used in multiple classes of applications. Humpleman discloses managing the

plurality of network elements as a distributed database using a distributed

resource management protocol, wherein the plurality of network elements are

reused among different applications, wherein the network elements are used in

multiple classes of applications (the servers and clients can reside on the same

node and execute both client and server applications) (col. 6, lines 18-34). It

would be obvious to a person of ordinary skill in the art at the time the invention

was made to combine the teaching of Clare-Wesson-Priest with Humpleman to

be able to control a plurality of diverse devices having different capabilities to

communicate in order to accomplish tasks or to provide a service as supported

by Humpleman (col. 2, lines 38-45).

36.   Referring to claim 9, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare-Wesson-Priest does not disclose

having the node of the first type containing a preprocessor with a state machine,

an API and at least one sensor. Humpleman discloses a home sensor network

wherein a first node 14 of a first type (Device A) contains a preprocessor with a

state machine (it is inherent that a standard microprocessor emulates the effects

of a state machine during its pipelining of instructions, fetch, decode, execute,

store, etc.), an API (INTERFACE-A.xml), and at least one sensor (h/w) (e.g.

abstract; Figure 16; col. 22, lines 52-58). It would be obvious to a person of

ordinary skill in the art at the time the invention was made to combine the

teaching of Clare-Wesson-Priest with Humpleman to be able to control a plurality

of diverse devices having different capabilities to communicate in order to

accomplish tasks or to provide a service as supported by Humpleman (col. 2,

lines 38-45).

37.   Referring to claim 10, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare in view of Wesson and Priest does

not disclose having the node of the second type including at lest one

preprocessor coupled to at lest one processor and a plurality of API's, wherein

the plurality of API's are coupled to control at lest one device. Humpleman

discloses a home sensor network wherein the node 14 of the second type

(device B), contains at least one preprocessor coupled to at least one processor

(it is well known that a server computer has multiple microprocessors embedded

within the server which are either directly or indirectly coupled together), a

plurality of API's (INTERFACE-A.XML and INTERFACE-B.XML), wherein the

plurality of API's are coupled to control at least one sensor device (i.e. smoke

detectors) (e.g. abstract; Figure 16; col. 22, lines 52-58). It would be obvious to a

person of ordinary skill in the art at the time the invention was made to combine

the teaching of Clare-Wesson-Priest with Humpleman to be able to control a

plurality of diverse devices having different capabilities to communicate in order

to accomplish tasks or to provide a service as supported by Humpleman (col. 2,

lines 38-45).

38.   Referring to claim 11, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare-Wesson-Priest does not disclose

layering the plurality of API's. Humpleman discloses layering the plurality of

API's in the device (Figure 19, reference characters 72-92). It would be obvious

to a person of ordinary skill in the art at the time the invention was made to

combine the teaching of Clare-Wesson-Priest with Humpleman to be able to

control a plurality of diverse devices having different capabilities to communicate

in order to accomplish tasks or to provide a service as supported by Humpleman

(col. 2, lines 38-45).

39.   Referring to claim 12, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare further discloses enabling distributed

resource management by providing network resource information and message

priority information to the plurality of network elements (col. 14, lines 12-34; col.

15, lines 10-25). Clare does not specifically disclose enabling distributed

resource management through the plurality of API's. However Humpleman

discloses using the API's to enable distributed resource management (i.e.

enabling services to be used via the API's) (Figures 15-19 and pertinent portions

of the disclosure). It would be obvious to a person of ordinary skill in the art at

the time the invention was made to combine the teaching of Clare-Wesson-Priest

with Humpleman to be able to control a plurality of diverse devices having

different capabilities to communicate in order to accomplish tasks or to provide a

service as supported by Humpleman (col. 2, lines 38-45).

40.   Referring to claim 13, Clare discloses the preprocessor (ADC) performs

data acquisition, and the processor (DSP) performs signal identification (col. 18,

lines 35-64).

41.   Referring to claim 33, Clare-Wesson-Priest discloses the invention

substantively as described in claim 1. Clare-Wesson-Priest discloses sensing

nodes supporting processing layers (i.e. superiors and subordinates), however

does not disclose the node of a second type includes sensing, processing,

communications, and storage devices supporting a plurality of processing and

protocol layers. In analogous art, Humpleman discloses another sensor network

wherein nodes include supporting a plurality of processing and protocol layers

(col. 14, lines 20-34). It would be obvious to a person of ordinary skill in the art at

the time the invention was made to combine the teaching of Clare with

Humpleman to be able to control a plurality of diverse devices having different

capabilities to communicate in order to accomplish tasks or to provide a service

as supported by Humpleman (col. 2, lines 38-45).

42.   Referring to claims 35 and 36, Clare-Wesson-Priest discloses the

invention substantively as described in claim 1. Clare-Wesson-Priest does not

disclose a first network having a first node density is assembled using the at least

one node of a first type, and a second node having a second node density is

assembled using the at least one node of a second type, wherein the second

network is overlayed onto the first network. Humpleman discloses a home

sensor network wherein numerous sensors relating to different "services" (i.e.

HVAC, security, utility, appliances) are overlayed onto another (i.e. they are all

connected to one network, however they are considered their separate entities)

(col. 22, line 17 to col. 23, line 7). It would be obvious to a person of ordinary

skill in the art at the time the invention was made to combine the teaching of

Clare with Humpleman to be able to control a plurality of diverse devices having

different capabilities to communicate in order to accomplish tasks or to provide a

service as supported by Humpleman (col. 2, lines 38-45).

   Claim 37 is rejected under 35 U.S.C. 103(a) as being unpatentable over

   Clare-Wesson-Priest in view of Davis et al. (USPN 5,742,829) (hereinafter

   Davis).

43.   Clare-Wesson-Priest discloses the invention substantively as described in

claim 1. Clare-Wesson-Priest does not disclose distributing code and data

anticipated for future use through the sensor network using low priority

messages, wherein the code and the data are downloadable from a storage

device. Davis discloses a network wherein distributing code and data anticipated

for future use through the sensor network using low priority messages (i.e. in the

background), wherein the code and the data are downloadable from a storage

device (it is inherent that the code/data are downloaded from a storage device)

(col. 6, lines 27-65). It would be obvious to a person of ordinary skill in the art at

the time the invention was made to combine the teaching of Davis with Clare-

Wesson-Priest to facilitate the installation of software on heterogeneous clients

on the distributed network, thereby reducing installation costs and reducing

downtime as supported by Davis (col. 2, lines 10-15).

Claim 38 is rejected under 35 U.S.C. 103(a) as being unpatentable over

Clare-Wesson-Priest in view of Makansi et al. (US 2002/0154631)

(hereinafter Makansi).

44.   Clare-Wesson-Priest discloses the invention substantively as described in

claim 1. Furthermore it is an inherent feature of Clare to aggregate the data to

be transmitted to a user to conserve energy by reducing the amount of packets

and saving bandwidth. Clare does not disclose the message packets include

decoy packets wherein information to be transferred is impressed on random

message packets to provide communication privacy. Makansi discloses

message packets include decoy packets wherein information to be transferred is

impressed on random message packets to provide communication privacy on a

network (e.g. abstract). It would be obvious to a person of ordinary skill in the art

at the time the invention was made to combine the teaching of Makansi with

Clare to provide messages to be transmitted in ways such that potential

adversaries are given access to a relatively little amount of information as

supported by Makansi (p. 1 ¶ 8).

Response to Arguments

45.   Applicant's arguments with respect to claims 1, 46, 48, 50, 51, 54, and 56

have been considered but are moot in view of the new grounds of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from

the examiner should be directed to Scott M. Sciacca whose telephone number is

(571) 270-1919. The examiner can normally be reached on Monday thru Friday,

7:30 A.M. - 5:00 P.M. EST.

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, Jeff Pwu can be reached on (571) 272-6798. The fax

phone number for the organization where this application or proceeding is

assigned is 571-273-8300.

Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

for published applications may be obtained from either Private PAIR or Public

PAIR. Status information for unpublished applications is available through

Private PAIR only. For more information about the PAIR system, see http://pair-

direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free). If you would like assistance from a USPTO Customer Service

Representative or access to the automated information system, call 800-786-

9199 (IN USA OR CANADA) or 571-272-1000.

/Scott M. Sciacca/
Examiner, Art Unit 2446

/Jeffrey Pwu/
Supervisory Patent Examiner, Art Unit 2446